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** Basic Survey Information **

Mission/Deployment Name: ITC Fire
Mission Order Number: 003

Flight Window: 9 April 0830(Local)

Overall Mission Objectives:
- Photographic
- Chemical

Specific Mission Objectives:
Objective 1. Collect chemical and photo data over the tank farm
Objective 2. Collect chemical and photo data downwind of the tank farm
Objective 3. Collect chemical and photo data over the confluence area

Communications will be accomplished using Pidgin
Contact person is: Tim (816-718-4281)

Special Instructions:

if the IRLS does not collect gps data, proceed with the mission

Debrief Time: End of Flight

** Target Description **

Target 1. Tank farm
Target 2. Downwind areas
Target 3. Confluence

** Mission Design **

The position of the ER is not known.
The ER flight profile will consist of:
Line 1 ==== 50 to 100 meters downwind of the incident
Line 2 ==== 500 meters downwind of the incident
Line 3 ==== 1000 meters downwind of the incidence

** Navigational/GPS Data **

Latitude data was not given
Longitude data was not given

** INS Data and Time **

Software: Use Vector_Nav_Collect for GPS/INS data
Make certain that the time source is active and locked prior to system startup

Crew Reporting Elements:
1. Temperature at flight level?
2. Wind direction and speed at flight level?
3. Nature of the incident and/or plume?
4. Plume/smoke color?
5. Is the plume rising or staying close to the ground?
6. What direction is the plume/smoke moving?

** Photo Parameters **

Camera System	Operate
Nikon	
MSIC	X
Oblique	X
Video	X

Altitude (AGL) = 2800 Ft
Air Speed = 110 Kts
Frame Interval = 6 Seconds

If the oblique camera is used:
1. Set the Date
2. Set the Time
3. Shoot frames from the copilot position

Software needed for the MSIC:
1. Start Event Timers
2. MSIC_Controller

Software needed for the Video:
1. VCR_drive_Controller

** Chemical Parameters **

Chemical Collection Altitude =2800 Ft AGL
Collect Data with the FTIR Sensor

FTIR Resolution = 16 cm-1

Mission Specific FTIR Notes

Collect Data with the IRLS Sensor

TA Blackbody = Auto Mode
TB Blackbody = Auto Mode

Mission Specific IRLS Notes

Check and Sync the IRLS computer time
Confirm that the unit has cooled down (T = 1.06V)
If the IRLS does not collect gps data, proceed with the mission and use the thermal camera as directed by the ground.

Software: Use RS800 BB Log for auto Blackbody operation